



PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	T
PO038986	MES002-VC	1	1	Net 30	M304B0,250x0,500	304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				300	2/14/2018	326	S041641	Stock	2/12/2018	\$ 4.25 / pcs	1	\$ 1,362.50		
										Total:	300	326							\$1,362.50	

Plex 2/13/2018 8:12 AM Dart.Dubois.Pascal

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7 *Tel. : 450 641-3330*

*Customer:* 6323336

Shipping Order 09/02/2018

09/02/2018

*Order* : 132578  
*Reference* : 38986  
*Ship* : PICK UP / PICK UP

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

**Ship To**

Same

**Tel.:** 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SF14124HR	304 STAIN FLA .25" X .500" HR 2 X 12.75' 15 X 13.08' 2 X 13.33' 6 X 13' HT:67736108	326.36	<u>326.36</u>	<u>0</u>
MR5841H	4140 ROND .625" H.T. 1 X 96" ***** HT;	8	<u>0</u>	<u>0</u>
MR7841H	4140 HT ROU .875" DIA 1 X 20' R/L ***** HT;	20	<u>0</u>	<u>20</u>
MSQ141CD	4140 SQU 1.000 CD 1 X 72"	6	<u>0</u>	<u>6</u>
MP11441H	4140 HTSR PLATE 1.250" THICK 10 X 6" X 12" HT;	280	<u>0</u>	<u>280</u>
SHIP JOURNEY COLLECT				
JP				

SHIP JOURNEY COLLECT

JP

*Shipping* : \_\_\_\_\_  
*Package No.* : \_\_\_\_\_  
*Merchandise Received* :

Ref. : \_\_\_\_\_

*Merchandise Received:*

## Shipping Order

09/02/2018

METAUX SOLUTIONS INC  
 2625 BOUL JACQUES CARTIER EST  
 LONGUEUIL, QUEBEC  
 J4N 1L7      Tel. : 450 641-3330

Order : 132578  
 Reference : 38986  
 Ship : PICK UP / PICK UP

Customer: 6323336

## Ship To

DART AEROSPACE LTD  
 1270, ABERDEEN STREET  
 HAWKESBURY, ONTARIO  
 K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SF14124HR	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 STAIN FLA .25" X .500" HR 2 X 12.75' 15 X 13.08' 2 X 13.33' 6 X 13' HT;67736108	326.36	<u>326.36</u>	<u>0</u>
MR5841H	4140 ROND .625" H.T 1 X 96" ***** HT;	8	<u>0</u>	<u>0</u>
MR7841H	4140 HT ROU .875" DIA 1 X 20' R/L ***** HT;	20	<u>0</u>	<u>20</u>
MSQ141CD	4140 SQU 1.000 CD 1 X 72"	6	<u>0</u>	<u>6</u>
MP11441H	4140 HTSR PLATE 1.250" THICK 10 X 6" X 12" HT;	280	<u>0</u>	<u>280</u>

SHIP JOURNEY COLLECT

JP

*Pat Marois  
020018  
1 BUNDLES*

Shipping : \_\_\_\_\_  
 Package No : \_\_\_\_\_  
 Merchandise Received : \_\_\_\_\_

Ref. : \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER  
PO038986**

**Supplier:** MES002-VC  
Metaux Solutions  
2625 boul Jacques-Cartier Est  
Longueuil  
QC  
J4N 1L7 Canada  
Phone: 800 558 8858  
Fax: 514 633 8044

**PO No:** PO038986

2/8/18

2/20/18

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:**

Lacelle, Linda  
Phone: llacelle@dartaero.com

**E-MAILED**

FEB 08 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

Net 30

**Pymt Terms:**

**Freight Terms:**

**Special Comments:**

**Items**

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/20/18	300 pcs	0 pcs	300 pcs	\$4.25/pcs	\$1,275.00
2	M4140NR0.625		4140 Steel Round Bar 0.625" receive ft	Firmed	2/20/18	8 ft	0 ft	8 ft	\$5.70/ft	\$45.60
3	M4140NR0.875		4140 Steel Round Bar 0.875" receive ft	Firmed	2/20/18	20 ft	0 ft	20 ft	\$4.70/ft	\$94.00
4	M4140CDB1.000x1.000		4140 Steel Bar 1.000 X 1.000 receive ft	Firmed	2/20/18	6 ft	0 ft	6 ft	\$27.00/ft	\$162.00
5	MT-4140-B- 1.250X6.000		AISI 4140 Round Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC  NOTE: cut material in 12" length x 10 pcs	Firmed	2/20/18	10 ft	0 ft	10 ft	\$68.60/ft	\$686.00

**Grand Total:** \$2,262.60

**Order Notes**

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.250X0.500  
 DATE: FEB 13 2018

PO. BATCH NO: 038986/50416/9

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 326  
 QUANTITY INSPECTED: 386  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .250  
 THICKNESS RECEIVED: .250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> <u>N</u>	
CORRECT FINISH	<input checked="" type="radio"/> <u>N</u>	
CORROSION	<input checked="" type="radio"/> <u>N</u>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> <u>N</u>	<i>Astm A276</i>
CORRECT THICKNESS	<input checked="" type="radio"/> <u>N</u>	
PHOTO REQUIRED	<input checked="" type="radio"/> <u>N</u>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> <u>N</u>	<i>Heat # 67736108</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> <u>N</u>	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DURA	DUR E / WEST
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if req)	
INSPECTED BY:	<u>DAS</u> <u>11</u>	SIGNED OFF BY:	
DATE:	<u>9-80</u> <u>FEB 13 2018</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received.

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION: ASTM A276 OR ASTM A240  
PART NUMBER: M304BT.TTT | X | WWW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES  
AND "WW.WWW" = WIDTH IN INCHES

EG. 0.5" X 3.0" BAR = M304B0.500X3.000  
EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION: ASTM A276 OR ASTM A240

△ PART NUMBER: M304BTTT | THICK | WWW:WWW | WIDTH

△ WHERE "T. TTT" = THICKNESS IN INCHES  
AND "WWW:WWW" = WIDTH IN INCHES

EG. 0.5" X 3.0" BAR = M304B0.500X3.000

EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

REV.	DESCRIPTION	DART AEROSPACE LTD		REV. C	SCALE	NTS
		DESIGN	DRAWING NO.			
C	ADDED PLATE TO PURCHASE MATERIAL "ADDED PLATE RELATED SPECIFICATIONS AND EG CHANGED TITLE FROM '304/316 BAR' TO '304/316 BAR/PLATE'	10.11.25	304/316 BAR/PLATE	HAWKESBURY, ONTARIO, CANADA	SHEET 1 OF 1	
B	REFORMAT DNG. ADD SPECS (ZN 08-1).	08.07.15				
FAR 08.020A						
A	NEW ISSUE	05.06.10				
		DATE				

© THE VUE LTD. CINERAMA® IS A TRADE MARK OWNED BY CINERAMA HOLDINGS LTD. ALL UNCOMMUNICATED TO ANY OTHER PERSON WITHOUT  
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

1

1

1

1

1

1

1

<b>BOLLINGHAUS STEEL</b> Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Zertifiziert für: Qualitätsprüfung / Qualitätsprüfung Test / Certificate de Qualidade / Certificado de Qualidade EN 10204:2004 / 3.1 Unsere Innere Verwaltung / Our Int. Ref/ N/ ref Int 5800038278 000010		Nr. / Nr. / Nro. 0000136626																																																									
				Datum / Date / Data 19.12.2017																																																									
<b>Spezifikation / Standards / Normas</b> TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A183/A183M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A262-15 Prac. E, AMS QQ-S-763D, AMS 5630J, AMS 5847K, ASME SA479/SA479M-15M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.																																																													
<b>Kunde / Customer / Cliente</b>  Bestell-Nr./Order Nr./Enc.Nr. c110766		<b>Endgültiger Kunde / Final Customer / Cliente Final</b>  Bestell-Nr./Order Nr./Enc.Nr. c110766.1																																																											
<b>Produktgruppe / Product Group / Grupo Produto</b> AISI 304/L FLAT 1/4 X 1/2"		<b>Gewicht / Weight / Peso</b> 1.059 lb	<b>Bundle / Bundle / Atados</b> 01																																																										
Werkstoff-Nr. Material-no. Qualität 1.4307		Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNi 18-9																																																											
<b>Beschreibung / Description / Descrição</b> Stainless steel flat bars, hot rolled, heat treated, straightened and pickled US DFAR 252.225-7009. MELT SOURCE: France / MFG: Portugal.																																																													
Schnellzettel-Nr. Bestell-Nr./Fund-Nr. 67736108		<b>Chemische Analyse in % / Chemical composition in % / Analise química em %</b> <table border="1"> <tr> <td>C</td> <td>0.018</td> <td>Si</td> <td>0.525</td> <td>Mn</td> <td>1.164</td> <td>P</td> <td>0.029</td> <td>S</td> <td>0.025</td> <td>Cr</td> <td>18.127</td> <td>Ni</td> <td>0.045</td> </tr> <tr> <td>EAF+AOD</td> <td>Mo</td> <td>0.376</td> <td>Co</td> <td>0.117</td> <td>Cu</td> <td>0.406</td> <td>N</td> <td>0.080</td> <td>Ti</td> <td>0.002</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>			C	0.018	Si	0.525	Mn	1.164	P	0.029	S	0.025	Cr	18.127	Ni	0.045	EAF+AOD	Mo	0.376	Co	0.117	Cu	0.406	N	0.080	Ti	0.002	-	-	-																													
C	0.018	Si	0.525	Mn	1.164	P	0.029	S	0.025	Cr	18.127	Ni	0.045																																																
EAF+AOD	Mo	0.376	Co	0.117	Cu	0.406	N	0.080	Ti	0.002	-	-	-																																																
Proben-Nr. Test no. Amostra no. 4036951.01.01		<b>ASTM E399</b> <table border="1"> <tr> <td>Kettenschrägspannungs Impact Test Resilience</td> <td>Streckgrenze Yield point Tensão Fimila</td> <td>Dehngrenze 1% point Límite de extensão</td> <td>Zugfestigkeit Tensão de detura Rm</td> <td>Dehnung Elongation Alongamento</td> <td>Einschmelzung Reduction of area Coef. Esfrição</td> </tr> <tr> <td>{Charpy V}</td> <td>Rp 0,2%</td> <td>Rp 1,0%</td> <td>[Ksi]</td> <td>A6 40</td> <td>Z</td> </tr> <tr> <td>[J]</td> <td>[Ksi]</td> <td>[Ksi]</td> <td>[Ksi]</td> <td>[%]</td> <td>[%]</td> </tr> <tr> <td></td> <td>48</td> <td>57</td> <td>83</td> <td>53.9</td> <td>56.4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>70.1</td> </tr> </table>		Kettenschrägspannungs Impact Test Resilience	Streckgrenze Yield point Tensão Fimila	Dehngrenze 1% point Límite de extensão	Zugfestigkeit Tensão de detura Rm	Dehnung Elongation Alongamento	Einschmelzung Reduction of area Coef. Esfrição	{Charpy V}	Rp 0,2%	Rp 1,0%	[Ksi]	A6 40	Z	[J]	[Ksi]	[Ksi]	[Ksi]	[%]	[%]		48	57	83	53.9	56.4						70.1	<b>ASTM A370</b> <table border="1"> <tr> <td>Streckgrenze Yield point Tensão Fimila</td> <td>Dehngrenze 1% point Límite de extensão</td> <td>Zugfestigkeit Tensão de detura Rm</td> <td>Dehnung Elongation Alongamento</td> <td>Einschmelzung Reduction of area Coef. Esfrição</td> </tr> <tr> <td>Rp 0,2%</td> <td>Rp 1,0%</td> <td>[Ksi]</td> <td>A6 40</td> <td>Z</td> </tr> <tr> <td>[J]</td> <td>[Ksi]</td> <td>[Ksi]</td> <td>[%]</td> <td>[%]</td> </tr> <tr> <td>48</td> <td>57</td> <td>83</td> <td>53.9</td> <td>56.4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>70.1</td> </tr> </table>			Streckgrenze Yield point Tensão Fimila	Dehngrenze 1% point Límite de extensão	Zugfestigkeit Tensão de detura Rm	Dehnung Elongation Alongamento	Einschmelzung Reduction of area Coef. Esfrição	Rp 0,2%	Rp 1,0%	[Ksi]	A6 40	Z	[J]	[Ksi]	[Ksi]	[%]	[%]	48	57	83	53.9	56.4					70.1
		Kettenschrägspannungs Impact Test Resilience	Streckgrenze Yield point Tensão Fimila	Dehngrenze 1% point Límite de extensão	Zugfestigkeit Tensão de detura Rm	Dehnung Elongation Alongamento	Einschmelzung Reduction of area Coef. Esfrição																																																						
{Charpy V}	Rp 0,2%	Rp 1,0%	[Ksi]	A6 40	Z																																																								
[J]	[Ksi]	[Ksi]	[Ksi]	[%]	[%]																																																								
	48	57	83	53.9	56.4																																																								
					70.1																																																								
Streckgrenze Yield point Tensão Fimila	Dehngrenze 1% point Límite de extensão	Zugfestigkeit Tensão de detura Rm	Dehnung Elongation Alongamento	Einschmelzung Reduction of area Coef. Esfrição																																																									
Rp 0,2%	Rp 1,0%	[Ksi]	A6 40	Z																																																									
[J]	[Ksi]	[Ksi]	[%]	[%]																																																									
48	57	83	53.9	56.4																																																									
				70.1																																																									
Visuelle Kontrolle Visual inspection Inspeção visual <input checked="" type="checkbox"/> OK		<b>ASTM E10</b> Härte Hardness Dureza <input checked="" type="checkbox"/> HB		<b>ASTM A262 Practice E</b> Korrosionsbeständigkeit IC Test Corroção Intergranular <input checked="" type="checkbox"/> Ok		Wärmebehandlung Heat treatment Tratamento térmico  Annealed Quenched 1900 °F (1050 °C)  (water quenched)																																																							
ASTM A484 Maßkontrolle Dimensional inspection Inspeção dimensional <input checked="" type="checkbox"/> Ok		<b>ASTM E112</b> Korngroesse Grain size Tamanho de grão <input checked="" type="checkbox"/> 9		Abreißmeboabreißregler Authorized Inspection Representative Inspector da Qualidade 305																																																									
Verarbeitungsprüfung Test of identity Teste de identificação <input checked="" type="checkbox"/> OK		Makroskopische Untersuchung Macrographic test  Material free from segregation defects <input checked="" type="checkbox"/> Ok		Vasco Ferraria (P - VF)																																																									
<b>Bemerkungen / Remarks / Observações</b> Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.					<b>Bollinghaus Steel, SA</b>  Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confermamos que este material respeita as especificações de acordo com as normas referidas.																																																								